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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/441,199	11/16/1999	TAKANARI YAMAGUCHI	2185-0380P 3990	
75	90 12/30/2004	EXAMINER		
	ART KOLASCH & E	MULLIS, JEFFREY C		
P O BOX 747 FALLS CHUR	CH, VA 220400747	ART UNIT	PAPER NUMBER	
	,		1711	

DATE MAILED: 12/30/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

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		Applica	tion N .	Applicant(s)				
		09/441	199	YAMAGUCHI ET AL.				
	Offic Action Summary	Examin	er	Art Unit				
		Jeffrey (C. Mullis	1711				
Peri d f	The MAILING DATE of this communic r Reply	ation appears n t	he cover she t with the	correspond nce address				
THE I - Exter after - If the - If NO - Failui Any r	ORTENED STATUTORY PERIOD FO MAILING DATE OF THIS COMMUNIC asions of time may be available under the provisions of SIX (6) MONTHS from the mailing date of this commu period for reply specified above is less than thirty (30) period for reply is specified above, the maximum stature to reply within the set or extended period for reply weeply received by the Office later than three months after patent term adjustment. See 37 CFR 1.704(b).	CATION. f 37 CFR 1.136(a). In no nication. days, a reply within the sutory period will apply and till, by statute, cause the a	event, however, may a reply be ti tatutory minimum of thirty (30) da will expire SIX (6) MONTHS fron pplication to become ABANDONI	mely filed ys will be considered timely. n the mailing date of this communic ED (35 U.S.C. § 133).	ation.			
Status								
1) 又	Responsive to communication(s) filed	on 25 August 20	04.					
2a)□	•	o)⊠ This action is						
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Dispositi	on of Claims			•				
5)□ 6)⊠ 7)⊠	Claim(s) <u>1-13</u> is/are pending in the ap 4a) Of the above claim(s) <u>6-9</u> is/are windle Claim(s) <u>1-4 and 10-12</u> is/are rejected Claim(s) <u>5 and 13</u> is/are objected to. Claim(s) <u>are subject to restriction</u>	ithdrawn from con						
Applicati	on Papers							
9)[The specification is objected to by the	Examiner.						
10)[The drawing(s) filed on is/are:	a)∏ accepted or	b) ☐ objected to by the	Examiner.				
	Applicant may not request that any object	- ·	•	` ,				
11)	Replacement drawing sheet(s) including to The oath or declaration is objected to							
Priority u	ınder 35 U.S.C. § 119							
12)□ / a)[Acknowledgment is made of a claim for All b) Some * c) None of: 1. Certified copies of the priority d 2. Certified copies of the priority d 3. Copies of the certified copies of application from the Internationalee the attached detailed Office action	ocuments have be ocuments have be f the priority docur al Bureau (PCT R	een received. een received in Applicat nents have been receiv ule 17.2(a)).	ion No ed in this National Stage				
Attachment	• •			·				
	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PT	0.048)	4) Interview Summary Paper No(s)/Mail D					
3) 🔲 Infom	e of Draftsperson's Patent Drawing Review (PT6 nation Disclosure Statement(s) (PTO-1449 or P r No(s)/Mail Date			Patent Application (PTO-152)				

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The claims contain the misspelling "KFG". As load should only be mentioned in kilograms force and as applicants' own specification in fact recites the term "KGF" at page 4 line 11, it is assumed that "KGF." is intended. Correction is required.

This Office action is in response to applicants' RCE request of 8-25-04.

The following is a quotation of the appropriate paragraphs of 35 U.S.C. § 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) The invention was described in (1) an application for patent, published under Section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

The following is a quotation of 35 U.S.C. § 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not

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identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1 and 3 are rejected under 35 U.S.C. § 102(b) as being anticipated by Ota et al. (Translation of Japanese Patent 06-57008).

See the Office action of 9-26-03 at the paragraph bridging pages 2 and 3 et seq.

Claims 2 and 10-12 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over the translation of Ota et al., cited above.

See the Office action of 9-26-03 at the paragraph bridging pages 3 and 4 et seq.

Claims 4 and 12 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Ota et al., cited above in view of Fenton (U.S. 4,584,244).

See the Office action of 9-26-03 at page 5 line 1 et seq.

Claims 1-3, 10 and 11 are rejected under 35 U.S.C. § 102(e) as being anticipated by Itoh et al. (U.S. 6,610,786).

Itoh et al. disclose a process in which a mixture of polyolefin and rubber is melt kneaded in a first extruder into a

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second extruder. Note Example 1 at column 16 line 48 - column 17 line 8. Note that the second extruder contains crystalline propylene at column 17 lines 9-19. Note that the kneaded material from the first extruder is supplied to the second extruder is supplied in the molten state at column 11 lines 2-4. The rubber component may have a melt flow rate of 5 grams for 10 minutes under a load of 2.16 kg at 230°C at column 5 lines 6-10. As the rubber of Itoh et al. is molten at temperatures even well below 230°C, the limitations of claims 2 and 10-11 are met.

Claims 5 and 13 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Applicants' arguments filed 8-25-04 have been fully considered but they are not deemed to be persuasive.

Applicants argue that the Examiner is excessively emphasizing the sentence "Melt kneads component C) by the side feeder" and fails to take in consideration the other teachings of Ota '008. Firstly, the Examiner agrees the reference needs to be viewed as a whole. No teaching or suggestion should be used except in the context of the entire reference. There does not appear to be any significant disagreement between the Examiner and applicants with regard to this issue and the Examiner has no

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disagreement with applicants regarding their view of the holding of In re American Academy of Science Tech Center, 70 USPQ 2d 1827 (Fed. Cir. 2004). It appears to the Examiner that the issue in the present case is whether or not the phrase "melt kneads component C) by the side feeder" is in clearly in contradiction to any other part of the Ota '008 document at least as far as the Examiner's interpretation of this phrase goes. Applicants argue that if the phrase at issue is interpreted to mean that melt kneading takes place in the side feeder, then the phrase "so that a resin composition is manufactured by only one cycle of melt kneading" is meaningless. However a "cycle" given its ordinary meaning may indicate a number of steps. Therefore the repetition of those number of steps would be needed before the cycle was repeated. The mere fact that kneading takes place in the side feeder and also in another extruder is not contradictory to the Examiner's interpretation of the phrase at issue. With regard to the disclosure at lines 1-4 from the bottom of page 14, it appears that this disclosure does not pertain to the embodiment referred to by the Examiner. Note that line 3 et seq. of page 14 recites that the "feed method is preferably the method that blends the components (A) and (B) and charges it by a main hopper or a method that feeds those components separately". Therefore lines 4-7 on page 14 describe two different embodiments, one of

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which reads on the process of the instant claims and one of which does not. Applicants argue that Ota mentions the temperature of the barrel of the extruder but does not mention the temperature of the side feeder. Applicants appear to be correct regarding However the mere fact that the temperature of the side feeder is not mentioned is not clearly contradictory to the presence of melt kneading in the side feeder. This is so because the temperature of melting can be easily determined by those skilled in the art and there may be other reasons as to why the melting at the temperature of the side feeder is not mentioned such as the fact that polyphenyl ether has a very high meltingtemperature and it is the temperature of the main barrel which would govern the composition of any components, not that of the side feeder. In short there is nothing clearly contradictory in the document Ota as a whole indicating that melt kneading would not take place in the side feeder in any of Ota's embodiments.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jeffrey Mullis whose telephone number is (571) 272-1075. The examiner can normally be reached on Monday-Friday from 9:30 to 6:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James Seidleck, can be

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reached on (571) 272-1078. The fax phone number for this Group is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (571) 272-0994.

J. Mullis:cdc

December 29, 2004

JEFFREY C. MULLIS PRIMARY EXAMINER

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